

## SECTION VI.—BIBLIOGRAPHY.

## RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

**Blair, William Richards.**

Meteorology and aeronautics. Washington, 1917. 50 p. plate. 3 tables. charts. 25 $\frac{1}{2}$ cm. Report no. 13. National advisory committee for aeronautics.

**Denmark, Meteorologiske institut.**

Meteorologisk aarbog. 2den del: Faerøerne, Island, Grønland og Vestindien. Annuaire météorologique. 2ème partie. Les Iles Féroé, l'Islande, le Groenland et les Antilles. 1915. Kjøbenhavn. 1917. viii, 1., 87 p. incl. tables. 31cm.

Meteorologisk aarbog. 1ste del: Kongeriget Danmark (undtagen Faerøerne, Island, Grønland og Vestindien) Annuaire météorologique. 1ère partie: Le royaume de Danemark (excepté les îles Féroé, l'Islande, Groenland et les Antilles) 1916. Kjøbenhavn. 1917. xiii, 1., 75 p. incl. tables. 31cm.

**Dorno, C.**

Beobachtungen der Dämmerung und von Ringerscheinungen um die Sonne 1911 bis 1917. Berlin. 1917. 2 pl., 94 p. tables (part. fold.) 34cm. (Veröffentlichungen des K. Preussischen meteorologischen Institute. Nr. 295. Abhandlungen Bd. 5. Nr. 5) [Abstract in this REVIEW, October, 1917, p. 483.]

**Fisher, Willard J.**

Pascal's mountain experiment. (Excerpted from School science and mathematics, v. 18, no. 1. Jan. 1918, p. 67-75.) 23cm.

**Great Britain. Meteorological office.**

The seaman's handbook of meteorology. A companion to the barometer manual for the use of seamen. Second edition. London. 1915. xxxviii, 200 p. plate. illus. tables. charts (part. fold.). maps (part. fold.). 23 $\frac{1}{2}$ cm. M. O. 215 (1915).

**Hunter, A. F.**

Distorted solar halos. illus. diagrams. 24cm. (Excerpted from Journal of the Royal astronomical society of Canada, vol. 12, no. Jan. 1918, p. 1-10.)

**McLean, Arthur.**

Climate of the Dominican Republic. Puerta Plata. 1917. 2 typewritten sheets. 32cm.

**Mauritius. Royal Alfred observatory.**

Annual report of the director for 1916. Mauritius. 1917. p. 1, 5 p. incl. tables. 35 cm.

**Milan. Reale osservatorio astronomico di Brera.**

Osservazioni meteorologiche e geofisiche fatte durante l'anno 1916. Serie 3. Volume 8. Milano. 1917. vi, 51 p. incl. tables. charts. 30cm.

**Pan American scientific congress. 2d Washington, D. C., 1915-16.**

Proceedings . . . Vol. II. comp. and ed. under the direction of Glen Levin Swiggett. Section II. Astronomy, meteorology, and seismology . . . Washington. 1917. xv, [3]-847 p. plates (part. fold.), illus. tables. charts (part. fold.) 23 $\frac{1}{2}$ cm. [See program in this REVIEW, Dec., 1915, 43: 605-613.]

**Roster, Giorgio.**

Il freddo radiante terrestre nelle sue attinenze con la vegetazione Firenze. 1916. 29 p. incl. tables. 23cm. (Estratto dagli Atti della R. accademia dei georgofili. Quinta serie, vol. 13, anno 1916.)

**Switzerland. Abteilung für Wasserwirtschaft.**

Graphische Darstellungen der Schweiz. hydrometrischen Beobachtungen. Tägliche Wassermengen an den Haupt-Pegelstationen . . . Tableaux graphiques des observations hydrométriques suisses. Débits quotidiens aux stations limnimétriques principales. 1914. Bern. 1916. 51 p. incl. tables. 22 fold. charts. 38 $\frac{1}{2}$ cm.

Tabellarische Zusammenstellung der Hauptergebnisse der Schweizerischen hydrometrischen Beobachtungen für das Jahr 1914 . . . Table de récapitulation des principaux résultats des observations hydrométriques suisses pour l'année 1914. Bern. 1916. 83 p. incl. tables. 38 $\frac{1}{2}$ cm.

**Terada, Torahiko.**

On diurnal variation of barometric pressure. (Contribution II from the Geophysical seminary in the Physical institute, College of science) by Torahiko Terada, Masazô Kiuti and Jyun Tukamoto. Tokyo. 1917. cover-title, 30 p. incl. tables. diagrams. 26cm. (Journal of the College of science, Imperial university of Tokyo, Nov. 20, 1917, v. 41, art. 1.)

On rapid periodic variations of terrestrial magnetism. Tokyo. 1917. cover-title, 85 p. 10 tables. diagrams. charts (part. fold.). 26cm. (Journal of the College of science, Imperial university of Tokyo. May 25, 1917. v. 37, art. 9.) [The variations are conjecturally ascribed to more or less vertical oscillations of the upper atmosphere, and offer a possible means of studying physical conditions of the air at high levels.]

**United States Army war college, tr. & ed.**

Notes on the meteorologic elements affecting artillery. Washington. 1917. 15 p. incl. diagrams. 19cm. [War dept. Doc. no. 688. Office of the Adjutant general.] Translated from "Note sur les éléments météorologiques intéressant l'artillerie, Annexe 7 to Manuel de l'officier orienteur d'artillerie."

**Vladivostok. Observatoire météorologique.**

Observations des stations météorologiques du réseau. Tables détaillées des observations météorologiques, faites d'après le système international, aux stations de 2-d ordre. Année 1915. Vladivostok. 1916. viii, 162 p. incl. tables. 32cm. Annales de l'observatoire physique central Nicolas. Fascicule 4.

## RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

**Aeronautics. London. v. 13. December 26, 1917.**

Dines, W[illiam] H[enry]. Meteorology in relation to aeronautics. p. 503-506.

**Engineering news-record. New York. v. 80. January 3, 1918.**

Telescope sections for latest timber snowsheds. p. 44-45.

**Franklin institute. Journal. Philadelphia. v. 185. January, 1918.**

Humphreys, W[illiam] J[ackson]. Physics of the air. p. 83-117. [Continued.]

**Journal of geography. Madison. v. 16. 1917.**

Ward, Robert DeCourcey. The weather factor in the great war: Spring and summer, 1917. p. 47-51; 86-90. (Oct., Nov.)

**Meteorological society of Japan. Tokyo. 36th year. December, 1917.**

Tabukuro, K. Some seasonal correlations between North China and Central Japan. p. 99-101.

**Physical review. Lancaster. v. 10. December, 1917.**

White, Walter P. Heat convection in air and Newton's law of cooling. p. 743-755. [Discussed especially in connection with the designing of calorimeters.]

**Royal society of London. Proceedings. London. ser. A. v. 94. no. A658. January 1, 1918.**

Nolan, J. J. The nature of the ions produced by the spraying of water. p. 112-136.

Taylor, G. I. Phenomena connected with turbulence in the lower atmosphere. p. 137-155.

Bilham, E. G. On the relation between barometric pressure and the water level in a well at Kew observatory, Richmond. p. 165-181. [Abstract in this REVIEW, Jan., 1918.]

**Schweizer. Aero-Klub. Bulletin. Bern. 11. Jahrgang. November, 1917.**

Müller, Aloys. Sonnenböen. p. 173-175. [Repr. Zeitung der 10. Armee.]

- Scientific American.* New York. v. 117. 1917.  
The protection of fruit against late frosts. p. 431. (Dec. 1.)  
[Repr. from Commerce Reports, Sept. 21, 1917.] [Describes an antifrost spray called *agélarine*—misspelled *ag-larine* in reprint.]
- The advent of military meteorology. p. 490. (Dec. 29.)
- Scientific American.* New York. v. 118. January 12, 1918.  
Concrete snow sheds of novel design. p. 59.
- Scientific American supplement.* New York. v. 84. December 29, 1917.  
Dupaigne, J. A new heliograph for securing more accurate records. p. 412.
- Scientific American supplement.* New York. v. 85. January 5, 1918.  
Conrad, Wm. A. A note on a possible explanation of erratic jumps in clock rates. p. 11. [Repr. from Popular astronomy.]
- Seismological society of America. Bulletin.* Palo Alto. v. 7. December, 1917.  
Klotz, Otto. Locating submarine faults. p. 127-129.
- Scottish geographical magazine.* Edinburgh. v. 33. November, 1917.  
Mackie, G. B. Geography in relation to war. p. 498-507.  
["Weather and climate," p. 503-505.]
- Académie des sciences. Comptes rendus.* Paris. Tome 165. 12 novembre 1917.  
Delage, Yves. Utilisation du bathyrhémomètre pour l'anémométrie dans les régions froides. p. 659-666. [See this issue of the REVIEW, p. 602.]
- Académie des sciences. Comptes rendus.* Paris. Tome 166. 7 janvier 1918.  
Dunoyer, L. Sur les variations diurnes du vent en altitude. p. 45-48.
- Aérophile.* Paris. 25 année. Novembre 1917.  
Perrotin, Henri. Quelques considérations sur le vent. p. 376-378.
- Archives des sciences physiques et naturelles.* Tome 44. 15 novembre 1917.  
Gockel, A[libert]. Polarisation de la lumière du ciel. p. 349.  
[Abstract.] [See p. 576.]
- Maurer, J[ulius]. Couronnes solaires. Résultats de cinq années d'observations récentes. p. 349-351. [Abstract.] [See above, p. 577.]
- Gautier, R[aoul]. Le centenaire du Grand St. Bernard. p. 351.  
[Abstract. The meteorological station at the Hospice of the Gd. St. Bernard was founded by Pictet in 1817.] [See above, p. 603.]
- Quervain, A[lfred] de. Sur la météorologie de l'inlandsis du Grönland et en particulier sur le föhn de l'inlandsis. p. 351-352.  
[Abstract.] [See above, p. 601.]
- Billwiller, R[obert]. L'échange aqueux entre l'air et le névé. p. 358-359. [Abstract.] [See above, p. 601.]